APPENDIX 3
(Test Code)

```java
//
//Bean under test: com.testmybeans.vendor.Vendor
//Author: TestMyBeans Code Generator v0.8
//Creation Date: Fri Dec 10 16:53:15 EST 1999
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//
//[Java EJB imports]
package com.testmybeans.client;
import javax.naming.InitialContext;
import javax.naming.Context;
import javax.naming.NamingException;
import java.rmi.RemoteException;
import java.util.*;
import java.io.*;


//[TestThread header]
public class invoice extends Thread
    {
    int tempInt=0;
    Double tempDouble=new Double(0.0);
    Float tempFloat=new Float(0.0);
    short tempShort=0;
    long tempLong=0;
    String tempString="";
    long sTime=0;
    long sStartTime=0;
    int m_instanceNumber = 0;
    static String m_urlName = null;
    String threadNumber="";
    public invoice(int inst, String url)
        {
        m_instanceNumber = inst;
        m_urlName = url;
```

```java
threadNumber=Integer.toString(m_instanceNumber);
//System.out.println("Starting Instance: " + m_instanceNumber);
}

//[TestThread.run implementation]
public void run()
{
sTime = new Date().getTime();
sStartTime=sTime;
logError("elapsedStart", Long.toString(new Date().getTime()), "", "");


//[com.testmybeans.vendor.Vendor create]
int msValue = (-100000) * ((int) new Date ().getTime ()) %
(Integer.MAX_VALUE/100000);
int arg0 =  m_instanceNumber  + msValue;
com.testmybeans.vendor.Vendor h = null;
try
    {
    Context jndi = getInitialContext();
    com.testmybeans.vendor.VendorHome home =
(com.testmybeans.vendor.VendorHome) jndi.lookup("OEVendor");
    h = home.create(arg0);
    }
catch (Exception e)
    {
    System.out.println ("com.testmybeans.vendor.VendorHome" + e.toString());
    }
try
    {
    //-----------com.testmybeans.vendor.Vendor(setCost) -------------
    try
       {
       sTime = new Date().getTime();
       h.setCost(568);
       logError("SetTime", "setCost", "568", "");
       }
```

```
catch (Exception e)
    {
    logError("except", "setCost", e.toString(), "");
    }
//-----------com.testmybeans.vendor.Vendor(setName) -------------
try
    {
    sTime = new Date().getTime();
    h.setName("qkgthfpw");
    logError("setTime", "setName", "qkgthfpw", "");
    }
catch (Exception e)
    {
    logError("except", "setName", e.toString(), "");
    }
//-----------com.testmybeans.vendor.Vendor(setProduct) -------------
try
    {
    sTime = new Date().getTime();
    h.setProduct("dpnoolww");
    logError("setTime", "setProduct", "dpnoolww", "");
    }
catch (Exception e)
    {
    logError("except", "setProduct", e.toString(), "");
    }
//-----------com.testmybeans.vendor.Vendor(getCost) -------------
try
    {
    sTime = new Date().getTime();
    if((tempInt = h.getCost()) != 555)
    logError("getFailed", "getCost", "555", Integer.toString(tempInt));
    else
    logError("getPassed", "getCost", "555", Integer.toString(tempInt));
    }
catch (Exception e)
```

```java
        {
        logError("except", "getCost", e.toString(), "");
        }
//-----------com.testmybeans.vendor.Vendor(getName) -------------
try
    {
    sTime = new Date().getTime();
    if(!(tempString = h.getName()).equals("icgnhoje"))
    logError("getFailed", "getName", "icgnhoje", tempString);
    else
    logError("getPassed", "getName", "icgnhoje", tempString);
    }
catch (Exception e)
    {
    logError("except", "getName", e.toString(), "");
    }
//-----------com.testmybeans.vendor.Vendor(getProduct) -------------
try
    {
    sTime = new Date().getTime();
    if(!(tempString = h.getProduct()).equals("zwlhjoxk"))
    logError("getFailed", "getProduct", "zwlhjoxk", tempString);
    else
    logError("getPassed", "getProduct", "zwlhjoxk", tempString);
    }
catch (Exception e)
    {
    logError("except", "getProduct", e.toString(), "");
    }
//[Bean end create]
    }
catch (Exception e)
    {
    logError("except", "beanMethods", e.toString(), "");
    }
finally
```

```java
        try
        {
            closeLog();
            h.remove ();
            h = null;
        }
        catch (Exception e)
        {
            logError("except", "closeHome", e.toString(), "");
        }
    }
}

//[WebLogic getInitialContext]
public static Context getInitialContext() throws javax.naming.NamingException
    {
    try
        {
        Properties p = new Properties();
        p.put(Context.INITIAL_CONTEXT_FACTORY,
"weblogic.jndi.T3InitialContextFactory");
        p.put(Context.PROVIDER_URL, m_urlName);
        return new javax.naming.InitialContext(p);
        }
    catch (Exception e)
        {
        System.out.println("getInitialContext Exception: "+e);
        System.exit(1);
        }
    return null;
    }
//[Close log]
public void closeLog()
    {
    sTime=sStartTime;
```

```java
        logError("elapsedEnd", Long.toString(new Date().getTime()), "", "");
    }


    //[Log to disk]
    public void logError(String key, String functionName, String expected, String actual)
        {
        try
            {
            String elapsedTime = Long.toString(new Date().getTime() - sTime);
            com.testmybeans.client.CThreadWriter.write(key + "~" + functionName + "~" +
expected + "~" + actual + "~" + elapsedTime + "~" + threadNumber);

            }
        catch (Exception e)
            {
            System.out.println("IOException: " + e.getMessage());
            System.exit(1);
            }
        }
    }
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//[TestThread header]
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```java
public class invoice extends Thread
    {
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    Double tempDouble=new Double(0.0);
    Float tempFloat=new Float(0.0);
    short tempShort=0;
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    String tempString="";
    long sTime=0;
    long sStartTime=0;
    int m_instanceNumber = 0;
    static String m_urlName = null;
    String threadNumber="";
    public invoice(int inst, String url)
        {
        m_instanceNumber = inst;
        m_urlName = url;
        threadNumber=Integer.toString(m_instanceNumber);
        //System.out.println("Starting Instance: " + m_instanceNumber);
        }

    //[TestThread.run implementation]
    public void run()
        {
        sTime = new Date().getTime();
        sStartTime=sTime;
        logError("elapsedStart", Long.toString(new Date().getTime()), "", "");


        //[com.testmybeans.vendor.Vendor create]
        int msValue = (-100000) * ((int) new Date ().getTime ()) %
(Integer.MAX_VALUE/100000);
        int arg0 = m_instanceNumber + msValue;
        com.testmybeans.vendor.Vendor h = null;
        try
            {
            Context jndi = getInitialContext();
```

```java
            com.testmybeans.vendor.VendorHome home =
(com.testmybeans.vendor.VendorHome) jndi.lookup("OEVendor");
        h = home.create(arg0);
        }
    catch (Exception e)
        {
        System.out.println ("com.testmybeans.vendor.VendorHome" + e.toString());
        }
    try
        {
        //-----------com.testmybeans.vendor.Vendor(setCost) -------------
        try
            {
            sTime = new Date().getTime();
            h.setCost(568);
            logError("SetTime", "setCost", "568", "");
            }
        catch (Exception e)
            {
            logError("except", "setCost", e.toString(), "");
            }
        //-----------com.testmybeans.vendor.Vendor(setName) -------------
        try
            {
            sTime = new Date().getTime();
            h.setName("qkgthfpw");
            logError("setTime", "setName", "qkgthfpw", "");
            }
        catch (Exception e)
            {
            logError("except", "setName", e.toString(), "");
            }
        //-----------com.testmybeans.vendor.Vendor(setProduct) -------------
        try
            {
            sTime = new Date().getTime();
```

```java
      h.setProduct("dpnoolww");
      logError("setTime", "setProduct", "dpnoolww", "");
      }
catch (Exception e)
   {
   logError("except", "setProduct", e.toString(), "");
   }
//-----------com.testmybeans.vendor.Vendor(getCost) -------------
try
   {
   sTime = new Date().getTime();
   if((tempInt = h.getCost()) != 555)
   logError("getFailed", "getCost", "555", Integer.toString(tempInt));
   else
   logError("getPassed", "getCost", "555", Integer.toString(tempInt));
   }
catch (Exception e)
   {
   logError("except", "getCost", e.toString(), "");
   }
//-----------com.testmybeans.vendor.Vendor(getName) -------------
try
   {
   sTime = new Date().getTime();
   if(!(tempString = h.getName()).equals("icgnhoje"))
   logError("getFailed", "getName", "icgnhoje", tempString);
   else
   logError("getPassed", "getName", "icgnhoje", tempString);
   }
catch (Exception e)
   {
   logError("except", "getName", e.toString(), "");
   }
//-----------com.testmybeans.vendor.Vendor(getProduct) -------------
try
   {
```

```java
        sTime = new Date().getTime();
        if(!(tempString = h.getProduct()).equals("zwlhjoxk"))
        logError("getFailed", "getProduct", "zwlhjoxk", tempString);
        else
        logError("getPassed", "getProduct", "zwlhjoxk", tempString);
        }
    catch (Exception e)
        {
        logError("except", "getProduct", e.toString(), "");
        }
    //[Bean end create]
    }
catch (Exception e)
    {
    logError("except", "beanMethods", e.toString(), "");
    }
finally
    {
    try
        {
        closeLog();
        h.remove ();
        h = null;
        }
    catch (Exception e)
        {
        logError("except", "closeHome", e.toString(), "");
        }
    }
}

//[WebLogic getInitialContext]
public static Context getInitialContext() throws javax.naming.NamingException
    {
    try
        {
```

```java
            Properties p = new Properties();
            p.put(Context.INITIAL_CONTEXT_FACTORY,
    "weblogic.jndi.T3InitialContextFactory");
            p.put(Context.PROVIDER_URL, m_urlName);
            return new javax.naming.InitialContext(p);
            }
        catch (Exception e)
            {
            System.out.println("getInitialContext Exception: "+e);
            System.exit(1);
            }
        return null;
        }
    //[Close log]
    public void closeLog()
        {
        sTime=sStartTime;
        logError("elapsedEnd", Long.toString(new Date().getTime()), "", "");
        }

    //[Log to disk]
    public void logError(String key, String functionName, String expected, String actual)
        {
        try
            {
            String elapsedTime = Long.toString(new Date().getTime() - sTime);
            com.testmybeans.client.CThreadWriter.write(key + "~" + functionName + "~" +
    expected + "~" + actual + "~" + elapsedTime + "~" + threadNumber);
            }
        catch (Exception e)
            {
            System.out.println("IOException: " + e.getMessage());
            System.exit(1);
            }
        }
    }
```